Yi 2
7399
F 15

Diseases of Blood veſsels & nerves.

Of Apoplexy and the means of preventing it.

Introduce some general remarks on Cephalic diseases, on their different Seats & Symptoms – see on Epilepsy p. 7.

[arises from wounds: But however much the diseases of the nervous system ~~as blended~~ ~~with~~ bring the blood vessels into sympathy, there are diseases which affect the nerv: system primarily, and the other systems ~~in~~ in an inferior or secondary manner. Every part of the nerv: system is ~~subject~~ exposed to ~~things~~ the same causes of disease which produces diseases in the arterial, such as preternatural excitement — Debility from action & Abstraction — Depression — ~~re~~ excessive excitat: ~~Op~~ morbid excitement Oppression — prostration — disorder & death. They are all at times perceptible, both to ~~the senses of~~ the patient and physician. ⊙ ~~This~~ The signs of disease when they appear in the nerves ~~alone~~, ~~it do~~ are not indicated by the pulse, & hence the reason why they are less known, & more difficult to ~~cu~~ cure than diseases of the blood vessels. [I remarked formerly that the blood vessels were the outposts of the system, and it is only after these have yielded to the protracted action of ~~the~~ stimuli that the nervous system]

apoplexy.

We have finished the history & cure of those diseases which affect the blood vessels directly, or which make their first impressions upon them. We next took notice of those diseases which after affecting the blood vessels primarily passed by them, and fixed with ~~[illegible]~~ their principal force upon other parts of the body. We should next proceed to ~~treat~~ of the diseases of the nervous system in which I included mind — brain — nerves & muscles — but where shall we find such diseases? ~~[illegible]~~ only in systems of nosology. Even ~~the~~ the diseases which affect any one of the four component parts of the nervous system are very rare and very transient. ~~Per=~~ ~~=haps~~ The tetanus is ~~only~~ one of them. ~~It app~~ It ap=pears only in the ~~[illegible]~~ muscles in most cases especially when it

=comes forward, and exposes itself to the remote causes of diseases. Hence these diseases mark the higher grades and ranks of civi=
=lized life. v — I said ~~they~~ seldom exist without bringing other systems into sympathy — parti= ⊙

v The pulse is Synocha — Synochus, or it is ~~slow~~ — depressed, ~~or~~ intermit=
=ting, or slow. It sometimes descends down to 9, & even 7 strokes in a minute, #

— ~~The~~ a quick pulse is less dangerous than a slow pulse as it shews reac=
=tion in the system. The most dan=
=gerous cases are attended with a foaming at the mouth, & sweats on the forehead — a pale face is more dangerous than a red, or suffused face. —

It continues from one minute to ten days. —

B =cularly the blood vessels. I shall begin by treat=
=ting of those diseases in which this is most obvious=
=ly the case. & 1st of Apoplexy

This disease is known by a suspension
the Senses external & internal and of the
of all the voluntary motions with
Sleep, while the action of the heart
and arteries continues. ~~but little~~
~~impaired~~. The Sleep is sometimes attended
& foaming at the mouth
with Snoring. It is distinguished from
common Sleep by coming on more
by the Sleep being ~~preceded~~
suddenly, and ~~without being attended~~
so ~~more~~ profound, so as ~~under~~ suspend sensibility. √
~~with by watching, or fatigue~~, and
Predisposition — a short neck.
~~by greate~~ and existing difficult respir:
It & ~~ultimate~~ blood to brain
Its remote causes are ~~generally~~ & local. I shall not separate ~~them~~ either of them
1 Intemperance in eating & drinking.
2 Indolence, and a sedentary life.
3 Long, and painful application to
any one subject whether it interests
the Understanding, or the passions.

✓ They prevail in Paris during the ~~a~~ cold south winds.

✓ apoplexy from this cause, is unknown in Africa, and in countries uniformly warm.—

Baglivi tells us the Apoplexy was once apparently epidemic in Rome in 1694 from the uncommon Solicitude which then pervaded every person from the distracted state of the nations of Europe.

Our Countryman Mr Ramsay died in London ~~for~~ of this disease from the undue exercise of his Understanding in perfecting ~~his~~ a steam boat which was to move itself against wind & tide.

4 Insolation - commonly called a stroke of the Sun. It is unmistakable the

The exciting causes of Apoplexy are more ~~numerous~~, ~~but~~ they are sometimes combined with ~~the~~ its remote causes. ~~of~~ They are 1 violent exercise of the whole body.

5 Loud and long Speaking. I have

V Two players likewise ~~fell~~ have fallen dead upon the stage while engaged in ~~pronouncing~~ ~~[illegible]~~ reciting, viz Mrs Pope and Mr Coleman. The latter died while pronouncing the following words —

" Is there not - *another*, & a *better* world."[2]

met with two Accounts of Clergymen's falling dead in the pulpit while they were delivering ~~to~~ their sermons. The mind in all these cases cooperated ~~in~~ with the lungs in imparting preternatural impetus to the blood vessels of the brain.
Take notice of these facts. I shall apply them in treating of the diseases of the mind.

5 ~~[illegible]~~ Impure air from any cause, particularly Azote produced in crowded assemblies. I have heard of two Judges ~~in one~~ who died upon the bench, ~~and of~~ from this cause.

6 Tight dresses, also Carbonic poisons especially around the neck. —

8 Indigestible aliment. I have known it induced by toasted cheese, and roasted Clams. Chs Meredith & Robt Wilson. Worms? why not Hydroceph: int: likewise.

9 Great heat applied to the head.

the Empreſs of Ruſsia

mr Carmichael mr murray – and

& in discharging the faeces, also a parturition.

+ please in his food Sat down to a Dinner he did not like – pushed it from him ~~it~~ – & ~~die~~ died ~~fell dead from~~ in his chair. The Revd mr Pemberton – had bleeding at nose & syncope from cloaths not fitting him.

4 Smoke of Tobacco.
10 7 the fumes of lead and mercury, & the
11 8 Contusions. Montaine says he
lost a Br in six hours after receiving
a stroke with a tennis ball.

9 an Emetic which has operated =ing
to an excess. 10 Long stooping. Strain=

12 Intoxication. This now & then acts
without predisposing debility.

13 The stoppage of any usual hemorrage
whether from the nose, hemorrhoidal
Vessels, or Uterus.

14 The repulsion of a cutaneous
eruption, or the sudden healing of
an habitual sore.

15 Strongly excited passions as joy,
and anger. Chr Meredith &c the
Capt: Unn's Stepfather — hard to +
German.
15 ~~Insolation. Unknown in~~ Africa — and in Coun=
~~=tries where heat is uniform.~~

✓ use of Tobacco in Smoking. Dr Tissot relates a story of two Brothers in Silesia who smoked for a wager. The One died apoplectic with the 17th the Other with the 18th pipe in his mouth.

24 a suppressed Salivation. 24 sleeping in a damp house, or room.

25 a sudden change in the weight of the Air particularly by the fall of the ☿ in the barometer. [The equilib.m of the external & internal Air is supposed to be thus destroyed, & the disease to be created by the external Air pressing outwards & upwards.

16 damp & cold weather. also extremely
warm & cold weather. These act chiefly
upon old people. cold feet - as in the
cases of Thos Lawrence Esqr & his Cryer Jno Dort
17 a full meal. hence some men
Die at a convivial board. Six in Berlin
during ~~the~~ Mr Adams's residence there. Judge Shippen.
18 heavy suppers, and the want of
supper in persons accustomed to it.
19 The neglect of annual b.l. or
customary bl: —
20 The Absence of periodical Gout.
Dr Gregory's Case. —
21 ʒi of Opium injected into the
bowels brought it on a patient whose
case is related by Dolaeus. —
22 lightning & Electricity in too
large a quantity. — 23 The intem=
=perate v.
25 Fevers of all kinds more

V I spoke of ~~the~~ ~~fever~~ apoplexy from this cause formerly. In Paris many persons ~~Deaths~~ Died ~~occurred~~ from apoplexy in Paris in 1747 whose bodies had bluish spots on them especially on one side which showed its derivation from fever ∴ Apoplexies ~~They~~ were likewise Epidemic in Paris 1749 during the prevalence of what was ~~word~~ called a putrid fever. Morgagni mentions similar instances of this disease being produced by Epidemic fevers.

[4] Sometimes there is a total Absence of all signs of disease from excess of morbid action prostrating all

‡ brain and even the cutting away of part of it give no pain — pressure induces not only pain — but coma ~~they~~ / ~~& death~~ apoplexy palsy & death.

& no marks of disease at all

6 27 ~~26~~ Long protracted

especially ~~in malignant fevers~~ V. ~~Head~~ Ach

28 a Colic - Came on in this way in the Emp: of Russia.

The brain is differently affected according to the nature of the remote ~~&~~ exciting cause, which excites this Disease. —

~~The ca most common way is~~

~~He~~ Most commonly the function of the brain is suspended or destroyed by ~~a~~ pressure from Congestion of blood, or water in its ventricles, — or in the theca vertebrarum or the pineal gland; The blood or water ~~are~~ is either effused in consequence of the rupture of a vessel, or of simple Congestion. In the former case it is called extravasation — in the latter case it is called Intravasation. (a)

The former is I believe always fatal. It is remarkable that while punctures of the =

Sometimes the ~~brain is~~ excitement of the brain is suddenly

& effusion, or Disorganization of any kind ap=
=pears in the brain. A German writer Dr
Schliting has supposed Death to be induced by
a Spasm or sudden Contraction of the brain. I
mentioned formerly the fact wch supported this ~~opi~~
Opinion - the pressure of the finger when thrust
into it. The Arteries - the lungs - the ~~liver~~ - the
bowels - the Stomach - the bladder - muscles - & ~~even~~
them all possess a contractile power - whilst ~~they~~ ~~[illegible]~~
Discover in disease. Why shd. not the brain possess
the same power? =
~~& effusions, or disorganization of any kind~~
~~appear in the brain.~~

Here bring in Cases, Coma &c

= Sometimes the exciting cause of
apoplexy, ~~thus~~ throws the blood into ye face
instead of the brain. This is the case
where a bleeding of the nose is produced
Capt: Hawkins - her
by a paroxysm of anger or joy. the
full pulse & ~~opp~~ opp: copious Bd:
Rev Mr Pemberton: Again ~~it is~~ the blood is diffused
all over the face - creating a reddish
Dark Color, and attended wth difficult
breathing. I have seen it twice from
Gout, & relieved it by Cupping: I have
called facial apoplexy. Bring in
~~here~~ ~~[illegible]~~ginous apoplexy. Judge Peterslan

destroyed, and no, or but small vestiges of ~~disorganization~~ discase are to be found in the brain. Joy, anger, lightning, Electri:y - Azote - and the fumes of lead & ☿ appear to act in this way. This is taken notice of by Burserius: They prostrate the brain by this immense force of ſtimulus below the point of reac=tion, ~~and the~~ hence no ~~of convulsion~~ inflamm:n - or v

Dr Cullen has divided apoplexies into ſanguineous & ſerous, and has ascribed to each a number of Specific Symptoms, and directed ~~for~~ them a different mode of Cure. — This division is hypothetical, and the practice foun=ded on it, is highly injurious. From an examination of all the dissections

I have been able to lay my hands on, I find no difference in the symptoms, whether the disease be produced by congestion, or effusion, ~~from a rupture of a blood~~ ~~vessel~~ of blood or Water. The stimulus from the pressure of water produces the same symptoms, & requires the same method of Cure as the stimulus of blood. —

It is commonly said the 3rd fitt of this disease is always fatal. I have not found it so. It sometimes affects a dozen times before it kills, particularly in Drunkards. Dr Trotter says he has 35 fits. I have known the
same patients survive ~~especially in young persons~~
1 fitt to kill more than Once. It is said to affect people in the decline of life only. But I have known it affect

V women are less subject to this Disease than men probably from plethora being obviated in them by the menstrual Discharge, as well as by their less exposed to its remote & exciting V this Causes.

It is hereditary in some families. I took notice formerly of its occurring about the vernal & autumnal equinoxes more than at any other times. —

+ The fit of apoplexy which terminated the splendid literary Career of Dr Darwin was preceded with unusual health & spirits the night before his death.

‡ Judge Peters [illegible] fit before Vertigo 1806

I
Several persons in early & middle life.
Lastly it is said to affect persons of short necks only, but I have known it twice to affect persons of a slender make & of long necks. ~~I know two instances of~~

Before I proceed to speak of the Remedies proper to cure the disease, I shall mention its usual precursors, or premonitory symptoms. They are elevated excitement — + Drowsiness, giddiness — headache, numbness and weakness in one or both limbs, after lying on one side, the night mare — unusual ~~[illegible]~~ dreams — snoring — occasional bleeding at the nose — flatulency — hence wind apoplexy — the absence of habitual or periodical piles, & gout — dull or false vision — or a great or sudden darkness — or tinnitus aurium — dull hearing — a faltering of the tongue — cold feet — ± loss of memory, fuller inspiration than usual — and an inflation of the face & neck. also colicky pains — in [illegible] of Russia & [illegible] ~~[illegible]~~ whenever ~~th~~ any of these v In this way it was often prevented in the late Dr Darwin. He sometimes bled himself in his carriage, when he felt any of its premonitory & alarming symptoms. might have been thus prevented in Jno Ord. –

v ~~Sometimes~~ When this disease comes on without any premonitory signs ~~in which~~ ~~I shall say hereafter~~ ~~case~~ it is generally fatal. It indicates the rupture of a blood vessel to have taken place.

Symptoms occur in patients predisposed to apoplexy, it is time for a physician to be alarmed. ~~[illegible]~~ In this forming state of the disease, the loſs of ℥xij or ℥xiij of blood, Abstinence, & a purge often prevent the disease being completely formed, and thus save the system from all its terrible & destructive conse-quences. webſter says ſtripes has prevented it.

When we are called to a patient in this disease, when it is formed, the first thing to be done, is to clear the room of all unneceſsary attendants. ~~Fresh Air is essential to~~ The air which has been breathed is poison to a person in whom life is suspended by a single thread.

The next thing to be done is to loosen all tight ligatures about every part of the body. open the Collar — untie garters — and even pull off

v Frictions to the body & volatiles to the nose
ſhould be carefully avoided. The

After copious V.S: if indicated,
+ Cups+ should be applied to the temples,
head & neck to aid the lancet in emp:
-tying the blood veſsels of the brain.
+ Scarifications quicker & better on temples
neck &c

+ also from ſide oppoſite to that wch:
is most affected - the seat of the disease
being on the ſide least affected.

Shoes & boots, if they bind the feet. ~~Hd~~ head sh^d likewise be elevated if possible. —

~~this~~ While these steps are taking, ~~the~~ the usual preparations should be made for abstracting pressure, or morbid determination to the brain by means of V. S. ~~Frictions & stimulating~~ ~~[illegible]~~ ~~substances applications to the same sh^d. at the same time be carefully.~~ this remedy should be regulated by the habit of the ~~disease~~ patient, the exciting cause, and the state of the pulse. Apoplexy from a Contusion requires more copious V.S. than from any other cause. — The blood may be drawn when practicable from the Jugular veins Carotids; but when this cannot be done, it sh^d be drawn from both arms at once. The success of this remedy depends in a great measure upon the the promptness with wh it is applied & the quantity of blood drawn in a short time. + An hour in this disease disorganizes

& Spoonful of Salt thrust into the mouth having cured apoplexy, where V.S: could not be used. It acted by inducing a new action & perhaps by inducing a Salivation.

more than a day; in a fever, or a month in many Chronic diseases. But ~~these~~ there are cases in wh: we must depart from this direction - & that is where the pulse is ~~weak~~ depressed, slow, or intermitting. Here blood must be Drawn after the manner recommended by Riverius. Remember the gradual Abstraction of stimulus in some states of disease is as important as the gradual application of it. Great advantage would probably arise from Leeches thrust up the nostrils. ~~Where V.S: cannot be used, the pressure of One of the Carotid Arteries has been recommended by Dr Parry - of Bath. It has Once been used with success in this city. It suddenly lessens the Quantity & impetus of blood in the brain.~~ I have heard of a table ✓

a 2nd Remedy is vomits. Dr Fothergill

It prevailed in Paris in 1749 V.S: afforded no relief, but they yielded to copious purging. Here again you see ~~its~~ the affinity of apoplexy to fever in requiring different remedies in different years.

As the Bladder sometimes loses its power of discharging the Urine, it should be extracted by the Catheter.]

+ a liquid from thro' the nose into the ſtomach. This has been used with ſucceſs by Dr Jones the author of vulgar errors in medicine.

commends them in high terms. They should only be used where the disease has been induced by a full meal, — worms, or any offensive matter lodged in the stomach. ~~They are~~ However great the danger may be from their exhibition, they are safe compared with the danger of neglecting to discharge the contents of the stomach. V.S: should always precede their ex=hibition. — where the usual emetic cannot be taken, or fail of exciting a vomiting, it sh.d be brought on by ~~thrusting a feather~~ tickling the throat with a feather or by means of syringe so contrived as to convey emetics in.

3 The bowels should be emptied as soon as possible by active purges, and glysters. ~~In the apoplexies which~~

4 ~~the~~ cold water or ice should be

‡ or partially | Delivered before
translated, ~~or partially~~ to another part of
the body after two or three bleedings. This
never takes place until the force of the disease in its
~~fixe~~ original ~~f~~spot has been considerably
reduced. By creating an inflam^{n} upon the
skin, or the epispastic disease on the ex=
=tremities, we imitate nature, ~~not to im~~
~~part~~ – that is, we translate ~~to dis~~ morbid ex=
=citement; but we improve upon her we
do it always. She does it occasionally. We tran=
=slate it to the ~~external~~ skin – She often translates
it to internal & vital parts. Pringles fact – Delir^{m}
V [The design of applying them first to the
extremities is because the excitem^{t} of
the brain in the first stage of apop^{y}.
is above the stimulating point, & while
the limbs are below it. They discover
this by their coolness, & frequently
by a weak pulse. — In favour of this ~~See this~~
practice I shall add another reason, drawn
from the operations of nature. We ~~often~~
see a violent disease in one part of the body, either wholly ‡
above

applied to the head where ~~[illegible]~~ it is unusually hot, or where a great throbbing is perceived in the temples or when from Electricity or Air. The hair of the head sh.d be cut off. or thinned to aid the action of these cold applications. They are indicated more especially in all those cases where apoplexy is ~~[illegible]~~ induced by Burnt Air and attended with much plethora. ~~to intoxication. I have often when a boy seen a Drunken man cured in a few minutes by pumping cold water upon his head.~~

If these Remedies fail of giving relief, recourse must be had to the following stimulants.

1 Blisters to the Arms - legs & neck. ~~[illegible]~~

2 Cataplasms of mustard to the feet.

3 The actual Cautery to ye neck or head.

4 Acrid Glysters. ~~5 [illegible] salt~~

√5 a ~~quick or [illegible]~~ full, bounding or slow pulse are ~~is~~ always alarming.
6 a foaming at the mouth is always dangerous.
7 a white face is more alarming, than a red face.
8 The absence of fever is alarming in the first stage of the disease. ~~They~~ the coming on of a fever late in the disease is equally so.
9 The pulse becoming intermitting after VS: is a bad sign.
10 It is mostly fatal when it comes on without premonitory signs. It shows a rupture of a blood vessel in the head ~~It has been cured Epilepsy. shows different parts of brain to be affected in these diseases~~

Good signs

1 - The presence of fever, or a quick pulse on the first attack of the disease. palsy on one ~~[illegible]~~ side favourable.
2 general sweats are ~~also~~ generally favourable.
3 more recover from apoplexy, induced by strong drink than by any other cause.

Sometimes a stupor - drowsiness & a defect of memory follow ~~up~~ a recovery from apoplexy. They have been removed by setons & Caustics applied to the neck. ⊙

we come now to mention the means of preventing a recurrence of this disease. ——

They are
1 Temperance

5 ~~th~~ Electrical Shocks. 7 Frictions, &c
lastly intense light, and certain
sounds, of a loud, or acute nature.

~~330 — N 9. 0~~

The following are signs of an unfavourable
issue of the disease.

1 It is always most dangerous when
it attacks young men. I do not recollect to
but one — ~~perhaps more~~
have seen ~~to~~ recovery from it in a person un-
Hulty — Dr ~~Kull~~ — Wm Wistar. supposed from rupture
fatal to children.
= Dec 30. ~~It has~~ It is ~~still more~~ ~~m~~. ~~of these~~
I mentioned this formerly in treating of ~~the~~
the
of the ~~forms~~ of Hydrocephalic state of fever called
Apoplexia Infantilis.

2 It is ~~most~~ generally fatal where one side
is convulsed.

3 Few recover, who in a fit, move their
hands to their heads.

4 A Chilly fit after apoplexy from a blow
without alarming symptoms, ~~given~~ is for
the most part a fatal sign. — ✓

For p:16

⊙ It is worthy of of notice – that the Apoplexy exhibits all the symptoms of previous & subsequent ~~of~~ ~~predisposition and~~ morbid phenomena of fever ~~that~~ were formerly described — the premonitory signs of Elevated excitement, and the usual marks of debility & dyspepsia, morbid excitement ~~with the [illegible]~~ ~~in the blood vessels~~ oppression – & prostration in the blood vessels according to the grade of the disease – debility in the muscles from ~~from the abstraction of~~ their excitement being absorbed by the blood vessels – disorder in the effusion of blood or water in the brain in fatal cases.

It has once cured Epilepsy. I mention this fact to show that the two diseases occupy different parts of the brain.

Horses are subject to Apoplexy.

It is called in them Sleepy Staggers.

— ~~They~~ It differs from what is called the mad Staggers. In the former horses fall down only. In the latter they run against the sides of their stables or a fence or a wall & thus often injure or destroy themselves. It is supposed to be madness. —

Interment sh'd never take place too soon after death. Zacutus mentions a case of spontaneous resuscitation 3 days after the apparent extinction of life.

Dissections show us polypi in cava.

P. 1.

V ~~This disease is sonorous~~ There are
cases however in which sleep is not atten-
-ded with snoring. In this case the
healthy apoplexy of sleep ~~extends~~ rises to a
~~a [illegible]~~ slight degree of disease. The
greater the snoring, the more profound
~~the~~ is sleep, and the greater the danger of
apoplexy.

I have said the ~~[illegible]~~ action of the mus-
-cles is suspended, but to this there is
frequently an exception. ~~The~~ Patients in
a fit of apoplexy often swallow liquors
that are put into their mouth. In this
case - the muscles of deglutition are ~~stop~~ exempted
A vomiting sometimes attends
from the influence of the disease. The
~~right~~ One side moved - one arm too +
peristaltic motion of the bowels continues
in this disease in common with the
action of the heart & lungs, but the

Sphincters ~~ani and~~ and the rectum and ~~that~~ ~~also the neck~~ of ~~the~~ bladder ~~a~~ cease to ~~be~~ perform voluntary actions, and hence the fæces & urine are discharged involuntarily in this disease. ~~X~~ While the senses and most of the ~~f~~ muscles are suspended in their actions, their natural position excitement is translated to the heart & blood vessels which act with preternatural & accumulated force, or succumb ~~upon~~ ~~to~~ under their superexcitement — hence the pulse is V

Senses not impaired in

Mr North — had ~~apop~~ Apop^y^ & Epilepsy.

Suspension of memory

would be best supported by lying on a hard bed, or matrass. ~~They~~ produce restlessness which prevents the ~~weight~~ mass from stagnation of blood. +

7 By never sleeping with the head inclined on a Chair. ——

8 By avoiding Costiveness & difficult Stools. Recollect the cases of Mr Carmick & Mr Perry & the Empress of Russia.

For an account of the Remedies for a fit ~~be cas~~ of ~~to~~ Drunkenness which is nearly related to Apoplexy & sometimes ends in it, ~~H~~ I refer you to my inquiries &c. They are chiefly cold water to the head, or whole body — fear &c.